

## **REMARKS**

Upon entry of this amendment, claims 1-15 will be pending. No claims have been canceled. Claims 1, 2, 5, 7, and 8 have been amended. Claims 10-15 have been added. No new matter has been added. Support for the claim amendments and new claims may be found in the specification as originally filed, in part at page 14, lines 10-17 and at page 12, lines 1-5. Claims 1, 2, 5, and 7 are the independent claims.

The present application discloses a receiver. In an embodiment, the receiver may include a high frequency demodulator and a high-cut control de-emphasis circuit. The receiver (as recited in independent claim 7) may demodulate both FM signals and AM signals. A conventional receiver generally requires an externally mounted capacitor that increases the manufacturing cost and the size of the receiver (Specification – p. 4, ll. 14-22). By sharing parts for the high-cut control function and parts for the de-emphasis function in a high-cut control de-emphasis circuit, the disclosed receiver overcomes this problem in the art (Specification – p. 5, ll. 13-18).

### **Claim rejection under 35 U.S.C. § 102(b)**

Claims 1-4 stand rejected under 35 U.S.C. § 102(b) as allegedly being anticipated by U.S. Patent No. 5,995,817 (“Lubbe”). The rejection is respectfully traversed. Independent claims 1 and 2, as amended, recite “a plurality of selectable resistors.” The Examiner acknowledges that Lubbe does not disclose using more than one resistor (*Office Action dated 2/8/07* – p. 7). Indeed, the circuit disclosed in Lubbe employs only a single resistance in connection with a variable capacitance (*See Lubbe*, FIG. 4). Accordingly, Lubbe does not disclose every element of claims 1, 2, and the claims that depend from them. Withdrawal of the rejection of claims 1-4 under 35 U.S.C. § 102(b) is respectfully requested.

### **Claim rejection under 35 U.S.C. § 103(a)**

Claims 5-9 stand rejected under 35 U.S.C. § 103(a) as allegedly being obvious over the teachings of Lubbe in view of U.S. Patent No. 4,221,930 (“Okuno”). The rejection is respectfully traversed. As discussed above, Lubbe does not disclose “a plurality of selectable resistors.” Moreover, Okuno does not disclose “a plurality of selectable resistors” either, as recited in independent claims 5 and 7.

Rather, Okuno discloses a circuit using a transistor in connection with a single resistor to vary impedance (*See* Okuno, FIG. 7, transistor Q5 and resistor 72). Okuno does not select a resistance from a collection of resistors; Okuno uses transistors to vary impedance instead.

Specifically, Okuno discloses, “[t]ransistors Q5 and Q6 are operated such that the impedance as measured between the main electrodes thereof is a function of the bias supplied to the respective gate electrodes. Thus, transistor Q5 forms the variable impedance element for the right channel and transistor Q6 forms the variable impedance element in the left channel.” (Col. 5, Lines 48-55). Each transistor, Q5 and Q6 respectively, operates in a channel in conjunction with a single resistor, 72 and 76 respectively. Since the channels operate independently, the resistors in Okuno are not selectable.

Furthermore, Okuno does not disclose “a changeover unit for selecting a resistance value of the plurality of selectable resistors.” Rather, Okuno uses *transistors* to vary impedance, not the plurality of selectable resistors as claimed.

Accordingly, the cited references, taken together, do not teach all of the claim limitations. Thus, even if the teachings of Lubbe and Okuno could have been combined as proposed by the Examiner, the claimed invention would not have resulted. Withdrawal of the rejection to claim 5, 7, and the claims that depend from them is respectfully requested.

### **Conclusion**

In view of the above amendments and remarks, Applicant respectfully submits that the present application is in condition for allowance. Reconsideration of the application and an early Notice of Allowance for claims 1-15 are respectfully requested.

Date: August 3, 2007

/Michael A. Koptiw/  
Michael A. Koptiw  
Registration No. 57,900

Woodcock Washburn LLP  
Cira Centre  
2929 Arch Street, 12th Floor  
Philadelphia, PA 19104-2891  
Telephone: (215) 568-3100  
Facsimile: (215) 568-3439